

Katja J Teerds

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

96
papers

2,860
citations

33
h-index

50
g-index

100
ext. papers

3,139
ext. citations

4.6
avg, IF

4.78
L-index

#	Paper	IF	Citations
96	Effects of Bisphenol A on reproductive toxicity and gut microbiota dysbiosis in male rats.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 239, 113623	7	0
95	Pseudo-Starvation Driven Energy Expenditure Negatively Affects Ovarian Follicle Development. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
94	Characterization of Long Non-Coding RNA Profiles in Porcine Granulosa Cells of Healthy and Atretic Antral Follicles: Implications for a Potential Role in Apoptosis. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
93	A comparative analysis of human adult testicular cells expressing stem Leydig cell markers in the interstitium, vasculature, and peritubular layer. <i>Andrology</i> , 2020 , 8, 1265-1276	4.2	6
92	Transcriptome Analysis of Porcine Granulosa Cells in Healthy and Atretic Follicles: Role of Steroidogenesis and Oxidative Stress. <i>Antioxidants</i> , 2020 , 10,	7.1	7
91	Follicular fluid steroid profile in sows: relationship to follicle size and oocyte quality <i>Biology of Reproduction</i> , 2020 , 102, 740-749	3.9	6
90	Characteristics of Circular RNA Expression Profiles of Porcine Granulosa Cells in Healthy and Atretic Antral Follicles. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	11
89	Consequences of negative energy balance on follicular development and oocyte quality in primiparous sows <i>Biology of Reproduction</i> , 2020 , 102, 388-398	3.9	13
88	Primary human testicular PDGFR β cells are multipotent and can be differentiated into cells with Leydig cell characteristics in vitro. <i>Human Reproduction</i> , 2019 , 34, 1621-1631	5.7	13
87	Follicular development of sows at weaning in relation to estimated breeding value for within-litter variation in piglet birth weight. <i>Animal</i> , 2019 , 13, 554-563	3.1	10
86	In ovaries with high or low variation in follicle size, granulosa cells of antral follicles exhibit distinct size-related processes. <i>Molecular Human Reproduction</i> , 2019 , 25, 614-624	4.4	4
85	Steroid profile of porcine follicular fluid and blood serum: Relation with follicular development. <i>Physiological Reports</i> , 2019 , 7, e14320	2.6	2
84	Arthrospira (Spirulina) platensis supplementation affects folliculogenesis, progesterone and ghrelin levels in fattening pre-pubertal gilts. <i>Journal of Applied Phycology</i> , 2018 , 30, 445-452	3.2	4
83	Leydig Cells 2018 , 30-38		1
82	Presence of anti-Müllerian hormone (AMH) during follicular development in the porcine ovary. <i>PLoS ONE</i> , 2018 , 13, e0197894	3.7	17
81	Preantral follicular atresia occurs mainly through autophagy, while antral follicles degenerate mostly through apoptosis. <i>Biology of Reproduction</i> , 2018 , 99, 853-863	3.9	34
80	Effects of birthweight on reproductive system development and onset of puberty in gilts. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 254-261	1.8	4

79	Amplification of R-spondin1 signaling induces granulosa cell fate defects and cancers in mouse adult ovary. <i>Oncogene</i> , 2017 , 36, 208-218	9.2	12
78	Prolonged hypothyroidism severely reduces ovarian follicular reserve in adult rats. <i>Journal of Ovarian Research</i> , 2017 , 10, 19	5.5	14
77	Transient Hypothyroidism: Dual Effect on Adult-Type Leydig Cell and Sertoli Cell Development. <i>Frontiers in Physiology</i> , 2017 , 8, 323	4.6	6
76	Gender specific differences in the liver proteome of rats exposed to short term and low-concentration hexabromocyclododecane (HBCD). <i>Toxicology Research</i> , 2016 , 5, 1273-1283	2.6	7
75	Dietary-Induced Chronic Hypothyroidism Negatively Affects Rat Follicular Development and Ovulation Rate and Is Associated with Oxidative Stress. <i>Biology of Reproduction</i> , 2016 , 94, 90	3.9	16
74	Morphological and functional maturation of Leydig cells: from rodent models to primates. <i>Human Reproduction Update</i> , 2015 , 21, 310-28	15.8	87
73	Reduced fetal androgen exposure compromises Leydig cell function in adulthood. <i>Asian Journal of Andrology</i> , 2015 , 17, 219-20	2.8	
72	Proper application of antibodies for immunohistochemical detection: antibody crimes and how to prevent them. <i>Endocrinology</i> , 2014 , 155, 676-87	4.8	36
71	Time course and role of luteinizing hormone and follicle-stimulating hormone in the expansion of the Leydig cell population at the time of puberty in the rhesus monkey (<i>Macaca mulatta</i>). <i>Andrology</i> , 2014 , 2, 924-30	4.2	9
70	Thermoneutrality results in prominent diet-induced body weight differences in C57BL/6J mice, not paralleled by diet-induced metabolic differences. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 799-807	5.9	15
69	Assuring safety without animal testing: the case for the human testis in vitro. <i>Reproductive Toxicology</i> , 2013 , 39, 63-8	3.4	9
68	Increased protein expression of LHCG receptor and 17 β hydroxylase/17-20-lyase in human polycystic ovaries. <i>Human Reproduction</i> , 2013 , 28, 3086-92	5.7	25
67	The endocrine disruptors dibutyl phthalate (DBP) and diethylstilbestrol (DES) influence Leydig cell regeneration following ethane dimethane sulphonate treatment of adult male rats. <i>Journal of Developmental and Physical Disabilities</i> , 2012 , 35, 353-63		27
66	Functional relationship between obesity and male reproduction: from humans to animal models. <i>Human Reproduction Update</i> , 2011 , 17, 667-83	15.8	123
65	Chronic hypothyroidism only marginally affects adult-type Leydig cell regeneration after EDS administration. <i>Journal of Developmental and Physical Disabilities</i> , 2010 , 33, e123-31		2
64	Expression of receptors for luteinizing hormone, gastric-inhibitory polypeptide, and vasopressin in normal adrenal glands and cortisol-secreting adrenocortical tumors in dogs. <i>Domestic Animal Endocrinology</i> , 2010 , 39, 63-75	2.3	16
63	Knockout of the <i>Bcmo1</i> gene results in an inflammatory response in female lung, which is suppressed by dietary beta-carotene. <i>Cellular and Molecular Life Sciences</i> , 2010 , 67, 2039-56	10.3	24
62	The histone deacetylase SIRT1 controls male fertility in mice through regulation of hypothalamic-pituitary gonadotropin signaling. <i>Biology of Reproduction</i> , 2009 , 80, 384-91	3.9	71

61	Prenatal induced chronic dietary hypothyroidism delays but does not block adult-type Leydig cell development. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E305-14	6	17
60	Dietary-induced hyperthyroidism marginally affects neonatal testicular development. <i>Journal of Andrology</i> , 2008 , 29, 643-53		21
59	Propagation of bovine spermatogonial stem cells in vitro. <i>Reproduction</i> , 2008 , 136, 543-57	3.8	111
58	Oncostatin-M inhibits luteinizing hormone stimulated Leydig cell progenitor formation in vitro. <i>Reproductive Biology and Endocrinology</i> , 2007 , 5, 43	5	3
57	The development of rat Leydig cell progenitors in vitro: how essential is luteinising hormone?. <i>Journal of Endocrinology</i> , 2007 , 194, 579-93	4.7	49
56	Dynamics of Leydig Cell Regeneration After EDS 2007 , 91-116		13
55	Luteinizing hormone inhibits Fas-induced apoptosis in ovarian surface epithelial cell lines. <i>Journal of Endocrinology</i> , 2006 , 188, 227-39	4.7	20
54	Estrous cycle dependent changes in expression and distribution of Fas, Fas ligand, Bcl-2, Bax, and pro- and active caspase-3 in the rat ovary. <i>Journal of Endocrinology</i> , 2006 , 188, 179-92	4.7	56
53	Reduced recruitment and survival of primordial and growing follicles in GH receptor-deficient mice. <i>Reproduction</i> , 2006 , 131, 525-32	3.8	77
52	Irregularly shaped inclusion cysts display increased expression of Ki67, Fas, Fas ligand, and procaspase-3 but relatively little active caspase-3. <i>International Journal of Gynecological Cancer</i> , 2006 , 16, 231-9	3.5	9
51	Differences in the incidence of apoptosis between in vivo and in vitro produced blastocysts of farm animal species: a comparative study. <i>Theriogenology</i> , 2005 , 63, 2254-68	2.8	120
50	Effects of GnRH immunization in sexually mature pony stallions. <i>Animal Reproduction Science</i> , 2005 , 86, 247-59	2.1	35
49	Role of Fas-mediated apoptosis and follicle-stimulating hormone on the developmental capacity of bovine cumulus oocyte complexes in vitro. <i>Biology of Reproduction</i> , 2004 , 71, 790-6	3.9	22
48	Hexadecylphosphocholine causes rapid cell death in canine mammary tumour cells. <i>European Journal of Pharmacology</i> , 2004 , 502, 185-93	5.3	3
47	Development, DNA fragmentation and cell death in porcine embryos after 24 h storage under different conditions. <i>Theriogenology</i> , 2004 , 61, 147-58	2.8	23
46	Expression of the insulin-like growth factor (IGF) system and steroidogenic enzymes in canine testis tumors. <i>Reproductive Biology and Endocrinology</i> , 2003 , 1, 22	5	17
45	Rat testicular germ cells and Sertoli cells release different types of bioactive transforming growth factor beta in vitro. <i>Reproductive Biology and Endocrinology</i> , 2003 , 1, 3	5	14
44	Homozygous mutation within the conserved Ala-Phe-Asn-Glu-Thr motif of exon 7 of the LH receptor causes male pseudohermaphroditism. <i>European Journal of Endocrinology</i> , 2002 , 147, 597-608	6.5	54

43	The role of luteinizing hormone in the pathogenesis of hyperadrenocorticism in neutered ferrets. <i>Molecular and Cellular Endocrinology</i> , 2002 , 197, 117-25	4.4	70
42	Ageing, testicular tumours and the pituitary-testis axis in dogs. <i>Journal of Endocrinology</i> , 2000 , 166, 153-61	4.7	41
41	Leydig cell apoptosis after the administration of ethane dimethanesulfonate to the adult male rat is a Fas-mediated process. <i>Endocrinology</i> , 1999 , 140, 3797-804	4.8	36
40	Identification of markers for precursor and leydig cell differentiation in the adult rat testis following ethane dimethyl sulphonate administration. <i>Biology of Reproduction</i> , 1999 , 60, 1437-45	3.9	51
39	Apoptosis in the rat spermatogenic epithelium following androgen withdrawal: changes in apoptosis-related genes. <i>Biology of Reproduction</i> , 1999 , 60, 461-70	3.9	137
38	Immunoexpression of the steroidogenic enzymes 3-beta hydroxysteroid dehydrogenase and 17 alpha-hydroxylase, C17,20 lyase and the receptor for luteinizing hormone (LH) in the fetal rat testis suggests that the onset of Leydig cell steroid production is independent of LH action. <i>Biology of Reproduction</i> , 1999 , 60, 500-5	3.9	59
37	Induction of apoptosis in thecal/interstitial cells: action of transforming growth factor (TGF) alpha plus TGF beta on bcl-2 and interleukin-1 beta-converting enzyme. <i>Journal of Endocrinology</i> , 1998 , 157, 489-94	4.7	33
36	Fas-induced apoptosis in rat thecal/interstitial cells signals through sphingomyelin-ceramide pathway. <i>Endocrinology</i> , 1998 , 139, 2041-7	4.8	41
35	Development of the adult-type Leydig cell population in the rat is affected by neonatal thyroid hormone levels. <i>Biology of Reproduction</i> , 1998 , 59, 344-50	3.9	70
34	Induction of apoptosis in rat thecal/interstitial cells by transforming growth factor alpha plus transforming growth factor beta in vitro. <i>Journal of Endocrinology</i> , 1997 , 153, 169-78	4.7	23
33	Transforming growth factor beta production during rat cytomegalovirus infection. <i>Journal of General Virology</i> , 1997 , 78 (Pt 1), 205-13	4.9	15
32	Effect of a Dopamine agoniste on the development of Leydig cellhyperplasia in Sprague-Dawley rats. <i>Toxicology and Applied Pharmacology</i> , 1996 , 141, 169-177	4.6	16
31	Effect of a dopamine agonist on the development of Leydig cell hyperplasia in Sprague-Dawley rats. <i>Toxicology and Applied Pharmacology</i> , 1996 , 141, 169-77	4.6	3
30	Regulation of transforming growth factor alpha gene expression in an ovarian surface epithelial cell line derived from a human carcinoma. <i>Biology of Reproduction</i> , 1995 , 52, 1027-37	3.9	29
29	Immunolocalization of transforming growth factor alpha and luteinizing hormone receptor in healthy and atretic follicles of the adult rat ovary. <i>Biology of Reproduction</i> , 1995 , 52, 500-8	3.9	31
28	hCG-induced changes in LH/CG receptor mRNA transcript levels in the testis of adult hypophysectomized, ethane dimethyl sulphonate-treated rats. <i>Molecular and Cellular Endocrinology</i> , 1994 , 105, 37-44	4.4	17
27	Regulation of DNA Synthesis in Leydig Cells 1994 , 151-166		3
26	Localization of transforming growth factor beta 1 and beta 2 during testicular development in the rat. <i>Biology of Reproduction</i> , 1993 , 48, 40-5	3.9	107

25	Immunohistochemical localization of 3 beta-hydroxysteroid dehydrogenase in the rat ovary during follicular development and atresia. <i>Biology of Reproduction</i> , 1993 , 49, 989-96	3.9	38
24	Steroidogenesis-inducing protein promotes deoxyribonucleic acid synthesis in Leydig cells from immature rats. <i>Endocrinology</i> , 1992 , 130, 599-606	4.8	15
23	Growth factor requirements for DNA synthesis by Leydig cells from the immature rat. <i>Biology of Reproduction</i> , 1992 , 46, 335-41	3.9	99
22	Hormone-induced resistance of rat Leydig cells to the cytotoxic effects of ethane-1,2-dimethane sulphonate. <i>Journal of Endocrinology</i> , 1992 , 134, 85-90	4.7	4
21	Steroidogenesis-inducing protein interacts with transforming growth factor-beta to stimulate DNA synthesis in rat granulosa cells. <i>Molecular and Cellular Endocrinology</i> , 1992 , 89, 97-103	4.4	6
20	Immunohistochemical localization of transforming growth factor-beta 1 and -beta 2 during follicular development in the adult rat ovary. <i>Molecular and Cellular Endocrinology</i> , 1992 , 84, R7-13	4.4	39
19	Sterol carrier protein 2 (non-specific lipid transfer protein) is localized in membranous fractions of Leydig cells and Sertoli cells but not in germ cells. <i>Lipids and Lipid Metabolism</i> , 1992 , 1124, 288-96		31
18	Total ligation of the left renal vein in the dog: an inappropriate model for varicocele. <i>Journal of Developmental and Physical Disabilities</i> , 1991 , 14, 348-58		2
17	Polar effects of concanavalin A on the cortical cytoskeleton of a molluscan egg (<i>Nassarius reticulatus</i> , Gastropoda). <i>Roux's Archives of Developmental Biology</i> , 1991 , 200, 8-20		5
16	Cell lineage-specific inhibition of cytokinesis by concanavalin A in a molluscan embryo (<i>Nassarius reticulatus</i> , Gastropoda). <i>Roux's Archives of Developmental Biology</i> , 1991 , 200, 21		2
15	Effects of hypophysectomy and human chorionic gonadotrophin on Leydig cell function in mature rats. <i>Journal of Endocrinology</i> , 1990 , 126, 367-75	4.7	12
14	Development of a new Leydig cell population after the destruction of existing Leydig cells by ethane dimethane sulphonate in rats: an autoradiographic study. <i>Journal of Endocrinology</i> , 1990 , 126, 229-36	4.7	45
13	Immunohistochemical detection of transforming growth factor-alpha in Leydig cells during the development of the rat testis. <i>Molecular and Cellular Endocrinology</i> , 1990 , 69, R1-6	4.4	47
12	Proliferation and differentiation of possible Leydig cell precursors after destruction of the existing Leydig cells with ethane dimethyl sulphonate: the role of LH/human chorionic gonadotrophin. <i>Journal of Endocrinology</i> , 1989 , 122, 689-96	4.7	51
11	Leydig cell number and function in the adult cynomolgus monkey (<i>Macaca fascicularis</i>) is increased by daily hCG treatment but not by daily FSH treatment. <i>Reproduction</i> , 1989 , 87, 141-6	3.8	8
10	Turnover time of Leydig cells and other interstitial cells in testes of adult rats. <i>Archives of Andrology</i> , 1989 , 23, 105-11		35
9	Transplantation and subsequent recovery of small amounts of isolated Leydig cells. <i>Archives of Andrology</i> , 1989 , 22, 123-9		14
8	Effects of pure FSH and LH preparations on the number and function of Leydig cells in immature hypophysectomized rats. <i>Journal of Endocrinology</i> , 1989 , 120, 97-106	4.7	87

7	Stimulation of the proliferation and differentiation of Leydig cell precursors after the destruction of existing Leydig cells with ethane dimethyl sulphonate (EDS) can take place in the absence of LH. <i>Journal of Andrology</i> , 1989 , 10, 472-7		45
6	The regulation of the proliferation and differentiation of rat Leydig cell precursor cells after EDS administration or daily HCG treatment. <i>Journal of Andrology</i> , 1988 , 9, 343-51		98
5	In vitro effects of ethylene-dimethane sulfonate (EDS) on Leydig cells: inhibition of steroid production and cytotoxic effects are dependent on species and age of rat. <i>Molecular and Cellular Endocrinology</i> , 1988 , 55, 87-94	4.4	29
4	Functional properties of developing rat Leydig cells after treatment with ethylene dimethanesulphonate (EDS). <i>Reproduction</i> , 1988 , 84, 63-9	3.8	24
3	Proliferation and Differentiation of Leydig Cells in the Rat Testis. <i>Annals of the New York Academy of Sciences</i> , 1987 , 513, 344-346	6.5	
2	Multiple regulation of testicular steroidogenesis. <i>The Journal of Steroid Biochemistry</i> , 1987 , 27, 309-16		5
1	Cadmium kinetics in freshwater clams. II. A comparative study of cadmium uptake and cellular distribution in the unionidae <i>Anodonta cygnea</i> , <i>Anodonta anatina</i> , and <i>Unio pictorum</i> . <i>Archives of Environmental Contamination and Toxicology</i> , 1986 , 15, 9-21	3.2	35